Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/11/2018 12:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125627	0	1.89	125708	1.86
Blue	F	SSC	125000	124418	-1	1.33	124972	1.31
Blue	E	FITC	15760	15363	-3	2.94	331	22.08
Blue	D	PE	25880	25578	-2	1.90	555	16.60
Blue	B	PerCP-Cy5-5	34075	33675	-2	4.22	1026	22.23
Blue	A	PE-Cy7	22776	22994	0	7.25	549	45.35
Red	C	APC	42488	41570	-3	2.72	1570	13.45
Red	A	APC-Cy7	24478	24069	-2	2.89	822	12.73
Violet	B	V450	6304	6147	-3	3.87	399	15.98
Violet	A	V500	26005	25372	-3	3.51	607	12.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20740	8.25	608	11	N/A	N/A	Pass
Blue	F	SSC	57093	1.02	572	17	N/A	N/A	Pass
Blue	E	FITC	59	74.13	561	5	0.0168	237	Pass
Blue	D	PE	117	58.95	556	7	0.1461	385	Pass
Blue	B	PerCP-Cy5-5	196	55.46	654	7	0.0079	121	Pass
Blue	A	PE-Cy7	108	113.60	709	12	0.0092	33	Pass
Red	C	APC	375	28.33	602	2	0.0196	151	Pass
Red	A	APC-Cy7	201	28.24	572	1	0.0050	1029	Pass
Violet	B	V450	83	55.37	489	0	0.0260	2170	Pass
Violet	A	V500	95	40.58	506	0	0.0132	796	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.79	-30.61	1.00
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.01	13.60 - 20.40	N/A	N/A	30.80	31.03	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11853

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments